

BIO – Milija Zupanski, Senior Research Scientist, CIRA/Colorado State Univ.

Education:

- Bachelor of Science in Meteorology from University of Belgrade, Serbia (Prof. Fedor Mesinger as advisor)
- MS (1987) and PhD (1990) in Meteorology from University of Oklahoma [Prof. Yoshi Sasaki as the main advisor]

Employment:

- Begun working at the Hydro-meteorological Center of Serbia at a regional radar center for hail suppression
- University of Oklahoma – Graduate Research Assistant (1985-1990)
- NCEP/EMC – UCAR Visiting Scientist (1990-2001)
- CIRA/CSU – Research Scientist (2001-present)

Major accomplishments:

Principal developer of:

- NCEP experimental four-dimensional variational data assimilation system (Eta model)
- CIRA/CSU four-dimensional variational data assimilation system (non-hydrostatic RAMS model)
- CIRA/CSU ensemble and hybrid variational-ensemble data assimilation system (Maximum Likelihood Ensemble Filter – MLEF)

Professional/Research interests:

- Development of data assimilation for challenging applications
- Nonlinear and non-differentiable optimization and preconditioning
- Predictability and chaos
- Applied mathematics focusing on weather and climate

Other interests:

- playing classical guitar (sometimes flamenco)
- hiking/skiing
- travelling